

Job Title: Senior Battery Engineer  
Reporting to: Technical Director  
Based: The Quadrangle, Romsey

### Company Description

Ilika ([www.ilika.com](http://www.ilika.com)) is a pioneer in solid state batteries. The company has developed miniature thin-film solid state batteries for Internet of Things (IoT) applications and is now developing large format solid-state cells for electric vehicles.

Ilika is a publicly listed company with an operating base in Romsey. We offer the successful candidate a competitive package and the opportunity to be part of a world class team using state of the art equipment in a supportive environment.

### Role Description

We are looking for an enthusiastic, experienced and motivated Battery Engineer to join our technical team to contribute to our large format (Goliath) battery development programme.

### Responsibilities:

- Concept development & top-level planning;
- Interacting with customers and partners to understand required pack performance criteria and related cell design implications;
- Working with the cell development team to translate pack level goals into cell performance targets and designs;
- Definition of technical requirements and feasible deliverables;
- Verification and qualification of new cells;
- Fault-finding;
- Root cause analysis;
- Interact with the production scientists to develop, optimise and maintain a robust manufacturing process for solid-state lithium ion batteries.

### To be successful in this role, you will possess the following:

- Experience with automotive e-propulsion designs;
- Experience with battery module and pack design from mechanical, thermal and electrical perspectives;
- Understanding of different cell designs, particularly cylindrical and pouch;
- Ability to design, implement and deliver test plans under product conditions and automotive usage scenarios;
- Experience using and developing models that enable performance and lifetime predictions;
- Working understanding of battery management hardware and embedded battery management software;
- The ability to clearly and concisely document operational protocols related to a manufacturing process;
- Good attention to detail;

- Flexibility;
- Team player and able to work using own initiative;
- Good interpersonal skills and ability to communicate at all levels;
- Proficiency with Microsoft Office programs, including: Word, Excel, PowerPoint;
- Work to deadlines and agreed service standards;
- Confidentiality.

Ilika is an equal opportunities employer and positively encourages applications from suitably qualified and eligible candidates regardless of sex, race, disability, age, sexual orientation, gender reassignment, religion or belief, marital status, or pregnancy and maternity.

Contact: [careers@ilika.com](mailto:careers@ilika.com)